



1600

**Does Not Comply  
Corrected Diskette Needed**

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/533,427B

DATE: 07/19/2002  
TIME: 14:35:23

Input Set : A:\W143786.txt  
Output Set: N:\CRF3\07192002\I533427B.raw

```

4 <110> APPLICANT: Chiorini, John
5      Kotin, Robert M.
6      Safer, Brian
7      Davidson, Elizabeth
8      Zabner, Joseph
10 <120> TITLE OF INVENTION: AAV5 VECTOR FOR TRANSDUCING BRAIN CELLS AND LUNG CELLS
12 <130> FILE REFERENCE: 14014.0323U2
14 <140> CURRENT APPLICATION NUMBER: 09/533,427B
15 <141> CURRENT FILING DATE: 2000-03-22
17 <160> NUMBER OF SEQ ID NOS: 26
19 <170> SOFTWARE: FastSEQ for Windows Version 3.0

```

**ERRORED SEQUENCES**

```

1268 <210> SEQ ID NO: 26
1269 <211> LENGTH: 621
1270 <212> TYPE: PRT
1271 <213> ORGANISM: Artificial Sequence
1273 <220> FEATURE:
1274 <223> OTHER INFORMATION: Description of Artificial Sequence; Note =
1275      synthetic construct
1277 <400> SEQUENCE: 26
1278 Met Pro Gly Phe Tyr Glu Ile Val Ile Lys Val Pro Ser Asp Leu Asp
1279      1           5           10          15
1280 Glu His Leu Pro Gly Ile Ser Asp Ser Phe Val Asn Trp Val Ala Glu
1281      20          25          30
1282 Lys Glu Trp Glu Leu Pro Pro Asp Ser Asp Met Asp Leu Asn Leu Ile
1283      35          40          45
1284 Glu Gln Ala Pro Leu Thr Val Ala Glu Lys Leu Gln Arg Asp Phe Leu
1285      50          55          60
1286 Thr Glu Trp Arg Arg Val Ser Lys Ala Pro Glu Ala Leu Phe Phe Val
1287      65          70          75          80
1288 Gln Phe Glu Lys Gly Glu Ser Tyr Phe His Met His Val Leu Val Glu
1289      85          90          95
1290 Thr Thr Gly Val Lys Ser Met Val Leu Gly Arg Phe Leu Ser Gln Ile
1291      100         105         110
1292 Arg Glu Lys Leu Ile Gln Arg Ile Tyr Arg Gly Ile Glu Pro Thr Leu
1293      115         120         125
1294 Pro Asn Trp Phe Ala Val Thr Lys Thr Arg Asn Gly Ala Gly Gly Gly
1295      130         135         140
1296 Asn Lys Val Val Asp Glu Cys Tyr Ile Pro Asn Tyr Leu Leu Pro Lys
1297      145         150         155         160

```

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1298 Thr Gln Pro Glu Leu Gln Trp Ala Trp Thr Asn Met Glu Gln Tyr Leu  
 1299 165 170 175  
 1300 Ser Ala Cys Leu Asn Leu Thr Glu Arg Lys Arg Leu Val Ala Gln His  
 1301 180 185 190  
 1302 Leu Thr His Val Ser Gln Thr Gln Glu Gln Asn Lys Glu Asn Gln Asn  
 1303 195 200 205  
 1304 Pro Asn Ser Asp Ala Pro Val Ile Arg Ser Lys Thr Ser Ala Arg Tyr  
 1305 210 215 220  
 1306 Met Glu Leu Val Gly Trp Leu Val Asp Lys Gly Ile Thr Ser Glu Lys  
 1307 225 230 235 240  
 1308 Gln Trp Ile Gln Glu Asp Gln Ala Ser Tyr Ile Ser Phe Asn Ala Ala  
 1309 245 250 255  
 1310 Ser Asn Ser Arg Ser Gln Ile Lys Ala Ala Leu Asp Asn Ala Gly Lys  
 1311 260 265 270  
 1312 Ile Met Ser Leu Thr Lys Thr Ala Pro Asp Tyr Leu Val Gly Gln Gln  
 1313 275 280 285  
 1314 Pro Val Glu Asp Ile Ser Ser Asn Arg Ile Tyr Lys Ile Leu Glu Leu  
 1315 290 295 300  
 1316 Asn Gly Tyr Asp Pro Gln Tyr Ala Ala Ser Val Phe Leu Gly Trp Ala  
 1317 305 310 315 320  
 1318 Thr Lys Lys Phe Gly Lys Arg Asn Thr Ile Trp Leu Phe Gly Pro Ala  
 1319 325 330 335  
 1320 Thr Thr Gly Lys Thr Asn Ile Ala Glu Ala Ile Ala His Thr Val Pro  
 1321 340 345 350  
 1322 Phe Tyr Gly Cys Val Asn Trp Thr Asn Glu Asn Phe Pro Phe Asn Asp  
 1323 355 360 365  
 1324 Cys Val Asp Lys Met Val Ile Trp Trp Glu Glu Gly Lys Met Thr Ala  
 1325 370 375 380  
 1326 Lys Val Val Glu Ser Ala Lys Ala Ile Leu Gly Gly Ser Lys Val Arg  
 1327 385 390 395 400  
 1328 Val Asp Gln Lys Cys Lys Ser Ser Ala Gln Ile Asp Pro Thr Pro Val  
 1329 405 410 415  
 1330 Ile Val Thr Ser Asn Thr Asn Met Cys Ala Val Ile Asp Gly Asn Ser  
 1331 420 425 430  
 1332 Thr Thr Phe Glu His Gln Gln Pro Leu Gln Asp Arg Met Phe Lys Phe  
 1333 435 440 445  
 1334 Glu Leu Thr Arg Arg Leu Asp His Asp Phe Gly Lys Val Thr Lys Gln  
 1335 450 455 460  
 1336 Glu Val Lys Asp Phe Phe Arg Trp Ala Lys Asp His Val Val Glu Val  
 1337 465 470 475 480  
 1338 Glu His Glu Phe Tyr Val Lys Lys Gly Ala Lys Lys Arg Pro Ala  
 1339 485 490 495  
 1340 Pro Ser Asp Ala Asp Ile Ser Glu Pro Lys Arg Val Arg Glu Ser Val  
 1341 500 505 510  
 1342 Ala Gln Pro Ser Thr Ser Asp Ala Glu Ala Ser Ile Asn Tyr Ala Asp  
 1343 515 520 525  
 1344 Arg Tyr Gln Asn Lys Cys Ser Arg His Val Gly Met Asn Leu Met Leu  
 1345 530 535 540  
 1346 Phe Pro Cys Arg Gln Cys Glu Arg Met Asn Gln Asn Ser Asn Ile Cys

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1347 545 550 555 560  
1348 Phe Thr His Gly Gln Lys Asp Cys Leu Glu Cys Phe Pro Val Ser Glu  
1349 565 570 575  
1350 Ser Gln Pro Val Ser Val Val Lys Lys Ala Tyr Gln Lys Leu Cys Tyr  
1351 580 585 590  
1352 Ile His His Ile Met Gly Lys Val Pro Asp Ala Cys Thr Ala Cys Asp  
1353 595 600 605  
1354 Leu Val Asn Val Asp Leu Asp Asp Cys Ile Phe Glu Gln  
1355 610 615 620  
1356 (ATTORNEY DOCKET NO. 14014.032302) — delete  
E--> 1358 24

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/533,427B

DATE: 07/19/2002

TIME: 14:35:24

Input Set : A:\W143786.txt

Output Set: N:\CRF3\07192002\I533427B.raw

L:1358 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:26